

## Major Expansions Of Liquefied Gas At Key Rocket Installations

To meet the aerospace industry's fast-rising demands for liquefied gases, Union Carbide Corporation is adding major production facilities at three sites adjacent to key rocket development centers, Birny Mason Jr., president, announced today. The facilities will be built and operated by Linde Company, a division of the corporation.

One of the new facilities is a liquid oxygen-nitrogen plant to be built on a 110-acre industrial site on the New Orleans intercoastal waterway. The agreement to purchase this property has just been concluded with New Orleans East, Inc. The initial capacity of the New Orleans plant is expected to be 350 tons per day. Selection of a suitable site for this plant was based on the requirements of anticipated expansions of the original units at a later date.

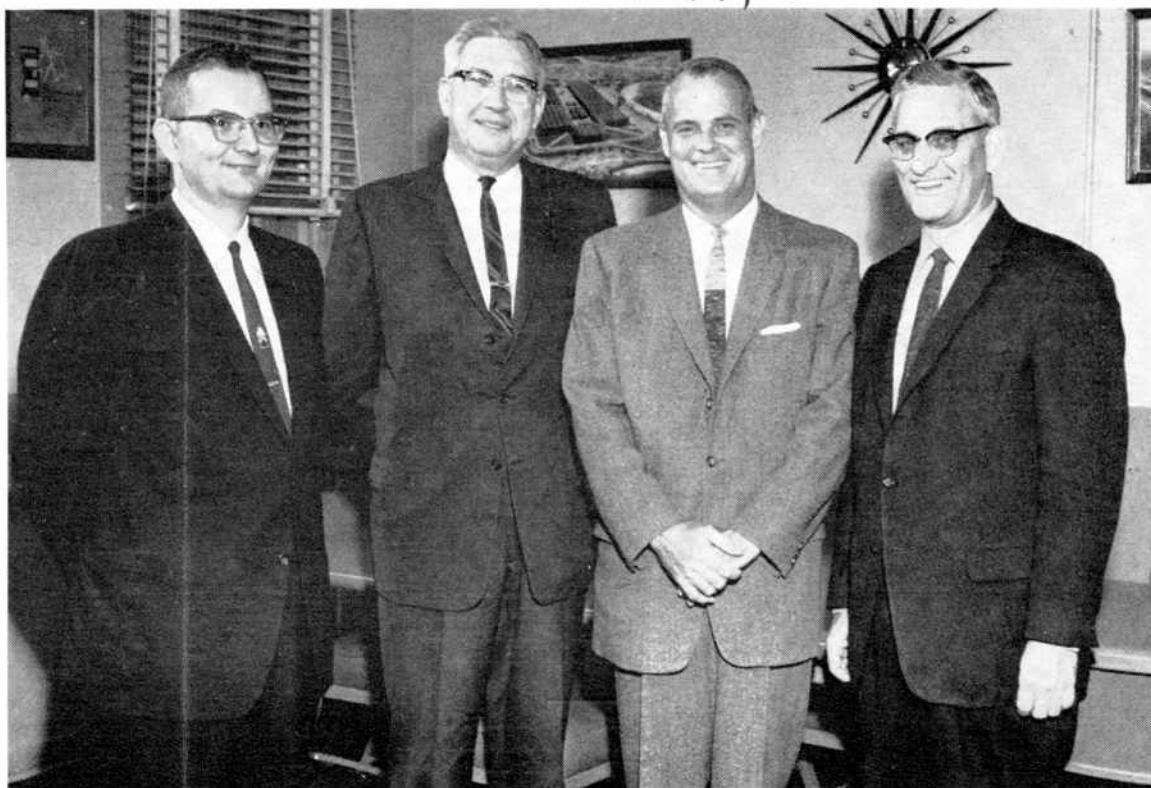
This new plant will be built

in the heart of the so-called "space crescent"—a semicircular area extending west to Houston, Texas, north to Huntsville, Alabama, and east to Cape Canaveral. Since it will be located close to the government's Mississippi Test Facility to be built on the Pearl River, it is expected that a large portion of the liquefied gases produced in the New Orleans plant will be transported up the river for use in missile and rocket tests. However, present and future plant capacity has been predetermined to allow for large volumes of oxygen and nitrogen to be available for general industrial and commercial use throughout the southeast.

President Mason added that the other two expansions will be made by Linde Company at Huntsville, Alabama and Deer Park, Texas.

The capacity of Linde's Hunts-

Continued on Page 4



**SMILES OF VICTORY** show on the faces of the three Union Carbide Nuclear Company plant's United Fund Drive Coordinators and the three-plant coordinator. From left are H. G. P. Snyder, Y-12; George W. Flack, coordinator; E. A. Bagley, ORNL; and R. M. Batch, ORGDP. The successful end to the drive was announced as Carbiders in this area contributed a total of \$97,477.31 to various drives in five counties. In addition to this amount the UCNC corporate gift of \$8,150 went to Anderson County Community Chest-Red Cross funds.

### Over The Top

## Total 3-Plant Fund Drive Nets \$97,477.31 As Carbiders Give 63% Of Anderson County Goal

A new record in Central Fund Drive donations was reached this year, according to George W. Flack, three-plant chairman for the drive. A total of \$97,477.31 was donated by employees to Community Chest-Red Cross drives in five counties. (This does not include the \$8,150 Union Carbide Nuclear Company check recently given to the Anderson County Community Chest-Red

Cross campaign as a corporate gift.)

The combined donations amount to \$105,627.31!

Y-12's own part in this year's donations reached a new high in giving and totaled \$37,031.80. The breakdown on Y-12's contributions was as follows:

Anderson County	\$21,326.30
Knox County	9,865.25
Loudon County	936.50
Morgan County	492.25
Roane County	4,411.50
Total	\$37,031.80

Y-12ers also set a new record during 1962 in bringing payroll deductions donations to 73.1 per cent of all employees. This means that almost three-quarters of all employees are contributing in the simple, month-by-month method of contributing.

Employees at ORGDP, ORNL and Y-12 totaled \$60,669.16 toward Anderson County's Chest-Red Cross goal, or more than 58 per cent of the county's aim. This, coupled with UCNC's corporate gift, accounted for 63 per cent of the County's drive thus far.

Other total plant contributions to the five surrounding county United Fund-Red Cross Drives show that ORGDP contributed \$23,390.85 and ORNL \$37,054.66.

In announcing the successful conclusion of the 1962 drive, Chairman Flack said last week that the success of this year's drive was accomplished primarily through the excellent organizations headed by R. M. Batch, ORGDP; E. A. Bagley, ORNL; and H. G. P. Snyder, Y-12; and their fellow employees.

Divisional representatives in Y-12 assisting Y-12 coordinator Snyder were D. W. Smith, Chemical Operations; G. B. Marrow, Development; F. S. Patton, Engineering; E. A. Pluhar, Finance and Materials; C. E. Johnson, Industrial Relations; R. T. Bell,

Laboratory and Special Projects; D. D. Stroud, Maintenance; C. E. Hensley, Mechanical Operations; H. N. Benninghoff, Shift Superintendents, Utilities, and Superintendents Division; and J. A. Gillcrist, Technical. The plant drive was also assisted by representatives from the International Guard Union of America, and The Atomic Trades and Labor Council. Bobby L. Carter, Production Inspection, audited the funds and reports collected during the drive.

Hats off to each employee who contributed effort "above and beyond the call of duty" as well as to each individual contributor! Team effort of this type can very often accomplish the job.

### Thanksgiving Day Moves Bulletin Deadline

Next Thursday, November 22, is an official holiday for Y-12ers. The usual deadline for copy and pictures to the Bulletin will be moved up one day, or Wednesday, November 21. All copy for the issue of November 28 should be submitted to the Bulletin by 4:30 p.m. November 21.

### SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
Five Days  
Or 140,000 Man-Hours  
(Unofficial Estimate)  
Without A Disabling  
Injury  
Through November 11  
Phone 7755  
For Daily Report  
On Accident-Free Hours



Y-12's EXHIBIT AT THE Fire Prevention display last month included the above model of a building engineered to prevent fires or their spreading. The model was designed and built by Y-12's Engineering Department and depicts built-in alarm systems, fire doors, partitions, and other means developed during the actual construction of a building to eliminate fire hazards.

AEC 62-0832-7



'MEN FROM MARS' approach the simulated fire-nuclear incident created during a practice drill recently demonstrated to employees at the Atomic Energy Commission Office here. Members of the Fire Department from ORGDP entered the above tent and removed a "victim" for the onlookers. The demonstration was part of Fire Prevention activities observed throughout the plants in this area during the month of October.



# The Bulletin

Published Weekly By And For  
Y-12 Employees Of  
UNION CARBIDE  
NUCLEAR COMPANY  
Division of



UNION CARBIDE CORPORATION

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## Marlar Son Is Named ROTC Wing Leader

Studies Journalism  
At Tennessee



Ronald G. Marlar

Ronald G. Marlar, 20, son of Mr. and Mrs. R. G. Marlar, Route 20, Ball Road, Knoxville, was recently appointed wing commander of the 800th Air Force Reserve Officers' Training Corps Cadet Wing at the University of Tennessee. The young cadet's father is in the Stable Isotopes Department, Oak Ridge National Laboratory, and his mother is Mrs. Mattie Marlar in Y-12's Production Assay.

Cadet Marlar will serve in this position with the rank of cadet colonel for the fall quarter, and will be in command of approximately 1000 cadets.

Young Marlar entered UT in the fall quarter of 1959 and is now a senior in the school of journalism. He is a member of the Arnold Air Society, honorary Air Force ROTC society; Sigma Delta Chi, professional journalism society, and is copy editor of the Orange and White, UT's student newspaper.

Ronald graduated from Karns High School in 1959, where he played football and was a member of the Lettermen's Club, Pep Club, French Club and Southpaw Club.

This past summer he attended the Air Force ROTC Summer Training Unit at Myrtle Beach Air Force Base and was rated in the upper one-third of the camp for officer potential. At this camp he was also an assistant editor on the yearbook staff.

Ronald resides at 1907 Yale Avenue, Knoxville, with his wife, Sharron.

## Instrument Society Meets Tonight In Ridge

The Oak Ridge Section of the Instrument Society of America is meeting tonight, Wednesday, November 14, at the Ridge Recreation Hall, Oak Ridge. Featured speaker is C. L. Mamzic, Moore Products Company, who will speak on "The Application of a Peak Seeking Optimizer." Members and guests will be welcome at the ISA meeting.



Will Rogers once said that more men have been elected between Sundown and Sunup, than ever were elected between Sunup and Sundown. After last week everyone knows what Mr. Rogers meant. The bleary-eyes, the sleepy faces and the unmasked yawns greeted folks up and down the hall. Ah, democracy, we wouldn't trade you for all the "isms" in the world!

The ballots have been accounted for in Y-12 and its told in—

### ENGINEERING

Vacationing with her uncle who recently underwent surgery is **Nora Hurst** . . . it's hoped he is well soon . . . Deepest sympathy to Mrs. Ruby Forrester, wife of **W. K. Forrester**, on the death of her brother.

Other news from Tool Engineering has **Bill Horner** on vacation, trying his luck at deer hunting . . . **J. L. Bassett** is on an extended weekend vacation doing the same . . . **H. W. Schrader** took a week's vacation to welcome home his wife and new daughter.

Anyone know a good mechanic? Send him to **Dick Spears**, Tool Design. Seems someone good naturedly offered to fix Dick's car . . . only trouble is now he has some parts left over . . . Beta Four Tool Design said goodbyes recently to **R. E. Weber** with a cake decorated with rockets and gyros.

Definition of a hobby: hard work you wouldn't do even if you were getting paid for it.

### INDUSTRIAL RELATIONS

The Fire and Guard Departments are welcoming back **H. J. Ballew** and **P. C. Goins** after lengthy illnesses . . . Get well wishes are now going to **G. E. Gilreath**, **J. H. Russell** and **T. E. Ford**, all bitten . . . Also a cheery hello goes to **R. G. Perkins** ill in Vanderbilt Hospital in Nashville.



William Mark Akers

Over in Employment, **Bill Akers** tells that little Mark can chin himself, pull up on the crib bars, punt a football 50 yards, and out-talk Jimmy Durante. Everyone knows that it's just a new papa sounding off, but they listen in good spirits. Little Mark is now three months old. His mama is pleasantly remembered as **Jeanette Akers**, Special Projects.

Going in debt is sorter like running into the ocean . . . the deeper you go, the harder it is to get out.

### MECHANICAL OPERATIONS

Production Machining comes along with **Betty Ward** ably pinchhitting for **Mildred Morris** with news from the "other end."

Beta Four Heavy Machine Shop heaves alongside with news of **E. L. Douglas**, **W. J. Logsdon**, **E. J. Sands** and **N. B. Parks** being vacationing foursomes into parts unknown . . . Sympathy is extended to **Mildred Morris's** family in the death of her brother, **John Lowery**, of Williamsport, Pennsylvania.

The Alloy Shop allows that **T. J. Justice**, **J. C. Vandergriff**, **R. B. Duggar** and **C. M. Rickman** all took top secret vacations . . .

Get well wishes are wafted to **J. A. Womac**.

Down in the H-2 Shop it's told that a hearty welcome-back is extended to **Richard Dew**, who has been out with miseries for some time (no, he didn't strain his back carrying a heavy 'trick or treat' sack!) . . . Deepest Sympathy is sent **T. R. Wall** on the death of his father, **Joe C. Wall**, of Etowah, Tennessee.

Alpha Five's Machine Shop has shop talk of **Tom Wheeler** vacationing. Get well wishes are speeded to **T. E. Collins** and **C. E. Dugger**.

The A-2 Shop welcomes back **Jim Gilliam** who has been in the Baptist Memorial Hospital in Memphis for surgery. It's hoped that everything comes in loud and clear now, Jim.

Special Mechanical Production produces news of **L. R. Chambers**, **R. E. Cooper**, and **B. W. West** all getting unrelaxed with pre-Thanksgiving holidays.

Mrs. **J. F. Chapman** explains that she is pleased to see Chap so happy with his new remote control TV, but secretly admits that programs seemed much longer on the old set.

Good to see the smiling faces of **J. D. Starnes** and **J. E. Clemons** back at work after several days of illness.

Continued good wishes to **W. V. Kanipe**, who has been suffering the pains of bursitis for several weeks.

The General Machine Shop is welcoming in **John Gadd**, who comes from the fair city of Akron, Ohio . . . **L. A. Shular** vacationed this week, nobody seemed to know where, however.

Also vacationing this week is **Holly Orange**, a charter member of the Atomic Beagle Club. His time off, of course, will include the field trials . . . everyone is hoping he wins. That is, everyone hopes his dogs win! . . . Congratulations to **Tommy Compton** and family on the birth of their new daughter; details later.

There's a very funny saga going around about a certain portly division superintendent. It seems he was going to a fire the other day when he fell and hurt his ankle. The siren had already sounded and in a hurry to get away the nameless Y-12er was in too big a hurry. It's funny now, but for days nobody dared ask him "where's the fire?"

## Development Has Holiday Spirit

The Development Division chose the eve of Thanksgiving, next Wednesday, November 21, for their holiday party. It will be a gala dinner-dance affair at the Oak Terrace ballroom, Oak Ridge, with festivities beginning at 7 p.m. Dinner will last from 7:30 until 9 p.m. . . and dancing thereafter until 1 a.m. Dave Blessing and his popular orchestra will perform for the group.

Development boasts some of the best twisters in the business (**John Goggin**, **Frank Broome**, et al), so the evening promises a treat or two. There will be the usual array of door prizes. Tickets are available in any departmental office in the division.

### CHIPS ARE DOWN

About one-sixth of the nation's potato crop goes into the manufacture of potato chips.



Mr. and Mrs. James Wilson united in marriage



### WILSON-NABORS

Mr. and Mrs. Laroy S. Nabors, Route 23, Knoxville, announce the wedding of their daughter, Miss Shirley Nabors, to James Wilson, son of Mr. and Mrs. James Wilson, Ball Camp community, Knox County. The rites took place Friday, October 5, at the Ball Camp

Baptist Church. The Reverend John R. Churchman performed the marriage rites.

The bride's father is in Y-12's Alloy Shop.

The bride wore a satin, embroidered white princess dress and carried a white Bible trimmed with an orchid.

Attending the wedding in addition to the parents of the couple were Mrs. David Stewart and Mrs. J. C. Liles, grandmother and aunt of the bride. Other invited guests were present at the rites as well.

A reception honored the couple at the home of the bride's mother and father on Lovell Road following the ceremony.

## Y-12ers Celebrating 15, 10 Year Anniversaries

Congratulations to the following Y-12ers who will observe 15 and 10 year anniversaries with Carbide within the next few days.

### 15 YEARS

**Dudley L. Hall**, General Machine Shop, November 17.

**Danty T. Cook**, H-2 Shop, November 17.

**James M. Patterson**, Machine Maintenance, November 17.

**Theodore R. Jordan**, Process Maintenance, November 17.

**Joseph V. Overton**, Guard Department, November 19.

### 10 YEARS

**Hacker Woodby**, Process Maintenance, November 18.

**Kenneth S. Murphy**, General Can Fabrication Shop, November 18.

**John F. Hood**, Building, Grounds and Maintenance Shops, November 19.

**Craig Walroup**, Beta Four Heavy Machine Shop, November 19.

Slavery can be the result of poor security.

## Saint-Saens' Opera Set For Saturday

Camille Saint-Saens' beautiful opera-oratorio "Samson and Delilah" will be performed in the opening concert of the Oak Ridge Civic Music Association's season, November 17. The concert will begin at 8:15 p.m. Saturday, at the Oak Ridge High School auditorium.

Four widely known guest artists will appear with the Chorus and Orchestra, under the direction of Franklin Choset. The leads will be sung by Gloria Shafran, contralto, and Jerold Sien, tenor. William Wolff, bass-baritone, will be heard as the Old Hebrew and Abimelech, and Sherrill Milnes who sings the part of the High Priest of Dagon.

Local talent will be presented in the performance of the immortal love story between the Biblical characters. Y-12's Ray Kuhn, Production Analysis, will be among the local soloists.

Saint-Saens' popular opera, particularly the air "My Heart At Thy Sweet Voice," is known throughout musical circles the world over. The opera will be sung here in the original French.



PRESENTING BRIGETTE'S BROOD in this corner, and a basketfull at that! Brigitte, Ed Pluhar's toy French poodle, really overproduced when she brought forth a litter of seven little furry bundles of joy. Her five male children are all black, and the two female ones are chocolate ones, real prizes in dogdom. Pluhar, in Finance and Materials, says Brigitte is some mama . . . Brigitte merely says, "Ce sont mes bebes!"





# Swingsters Swing Sassily In Classic

## J. C. Bryan Rolls 626 Scratch Series

The Swingsters swung within one point of the lead in the Classic League for Y-12 bowlers last week by taking the Rippers by three points. The league-leading Rebels gained only two from the Has Beens. The Sportsmen, however, in fourth place, had the hot night on the alleys. They took the Wasps for the full count. Other three point victories was the Bumpers over the Tigers, the Smelters over the Eightballs, and the All Stars over the Cubs. Also splitting scores of two each were the Playboys and the Screwballs, and the Wolves and Markers.

J. C. Bryan

J. C. Bryan, Sportsmen, led his team by sweeping the boards with a 234 game scratch, a 259 handicap game, 626 scratch series, and a 701 handicap series. The Sportsmen posted scores of 1027, 1144, 2831, and 3182.

League standings follow:

Team	Won	Lost
Rebels	28	12
Swingsters	27	13
Markers	25	15
Screwballs	23	17
Sportsmen	23	17
Rippers	22	18
Bumpers	22	18
Cubs	21	19
Has Beens	21	19
Tigers	20	20
Smelters	19	21
Wolves	18	22
All Stars	17	23
Wasps	14	26
Playboys	11	29
Eightballs	9	31

# Lab Riflemen Gain In 22-Calibre Set

## Y-12's Bob Powers Fires Mighty 285

The Oak Ridge National Laboratory team in the tenth firing of the Carbide Rifle League gained on the league-leading Independents last week. The ORNL team took a scratch total of 1427, handicap score of 1453.654. Y-12's score was 1331, 1439.909 respectively; while the Independents fired a 1405, 1453.708.

Y-12's high man scratchwise was Bob Powers with 285. High handicap firer for Y-12 was Al Blay with 291.610. H. Whitehead, Independents, fired a 291.144 handicap score.

League standings:

Team	Points
Independents	45
Oak Ridge National Laboratory	41
Y-12	22



BRANDISHING A giant barracuda he caught recently on his vacation at Boynton Beach, Fla., is Walter Creekmore, Heavy Equipment Maintenance. While visiting his daughter and her family in Florida, Creekmore took in the yellow-tails, king mackerel, and barracudas.

# Seven Teams In 1st Rounds In Skeet Firing

The All Carbide Skeet League began its initial firings last Sunday, November 4 with seven teams in competition. J. A. Swartout and Fred Welfare took first place in the first standings.

New teams may still enter—it takes two firers per team. The league will run for eight shoots, and firings will occur on every other Sunday at the Sportsmen's Association field here in Oak Ridge. The first skeet is fired at 1 p.m. Teams wishing to enter the competition should call Fred Welfare, extension 7-8315.

There will be awards for the first three teams in the competition, and employees from any of the three UCNC plants here may fire. The next firings will be this Sunday, November 18.

Initial standings follow:

Team	Points
Swartout-Welfare	44
Bahler-Brewster	43
Davey-Asmanes	39
Patton-Preskitt	39
McNabb-Powers	37
*Case-Hamby	19
*Steward-Collins	15

\*—Incomplete scores.

# Rocky Safari Tall Tales Are Now Told

## Frazier's Wallet Is Lost, Then Found

Tall tales galore is the word from the Y-12ers who took off into the Rocky Mountains recently on big game hunts. Although some of the group lost their shirt tails (in the old tradition if you don't get a kill) the group ended up with 14 deer and two elk. The meat and trophies, of course, were shared by all, so nobody came away empty-handed.

One of the group said he made his kill at a hundred yards on a dead-run. Witnesses actually say it was made standing still at 15 feet. Shot between the eyes the deer DID fall!

Carl Frazier lost his wallet in the wilderness, but was lucky enough to find it the same afternoon after back-tracking through about two miles of wilderness. The group also visited old ghost towns, 'boot-hill' cemeteries, and frontier saloons.

If you don't believe they had a good time, just check with them . . . but watch it, you'll get tied down for an hour or two with a tall story. Pictures on Page 4.

# Teams May Still Enter Basketball

The organizational meeting on basketball was held last week, Tuesday, November 6, with representatives from five Y-12 teams, and one from the Oak Ridge Gaseous Diffusion Plant. Possibly one other team from ORGDP will be entered before play begins, Thursday, November 29. More teams are needed and wanted.

Teams wishing to enter the fray may call Recreation at extension 7109. Deadline for entering a team is Friday, November 23.

Meanwhile, the Recreation Office says that teams are also needed for the Volley League, set to begin soon. This league will be a three-plant affair with volleyballers from Y-12, ORNL and ORGDP. Interested parties should also call Recreation.

# C Shift Plans Shoot Tuesday At ORSA Fields

C Shift has scheduled a turkey-ham shoot for next Tuesday, November 20, at the Oak Ridge Sportsmen's Association fields. Firing gets underway at 10 a.m. and there will be hams and turkeys aplenty for dead-eyes in the competition.



MORE POWERHOUSES FROM THE BUSH LEAGUE in Y-12 bowling circles would most certainly include these two teams. At left is the mighty 760's who poise now in third place in league standings. From left is V. C. Williams, Ralph Moretz, Capt. Ray Seivers (who recently rolled a 244 scratch game), P. A. Cuthbertson, and Fred Wray. The team at the right, equally as powerful, now stand one point into the first slot over the entire league. From left are Stan Cole, Shorty Heatherly, Carl Neff, Bill Freels and Capt. Roy Scates.

# Reagents Keep 1 Point Lead In Bush League

The Regents clung onto their slim hold on the helm of the Bush League for Y-12 bowlers as they split two points with the Beavers. Second-placed Rollmasters lost three to the Rusty Five. Other wins saw the Dry Hides take a forfeited four points from the Alley Gators. Winning by three were the Seven Sixties over the Lucky Five, and the Hi Balls over the Rollniks.

C. W. Craven, Rusty Five, swept the board clean individually with scores of 216, 235, 566 and 623. The Rusty Five took high singles scratch with 806, scratch series with 2356 and handicap series of 2824. The Beavers kept the Five from sweeping by taking high handicap singles with 964.

League standings follow:

Team	Won	Lost
Reagents	25	11
Rollmasters	24	12
Seven Sixties	23	13
Rollniks	20	16
Hi Balls	19	17
Dry Hides	19	17
Lucky Fives	18	18
Rusty Five	17	19
Beavers	14	22
Alley Gators	1	35

# Pistol League Fires Final Single Rounds

## Team Firings Begin Early This Week

The Y-12 Pistol League in its seventh firings last week saw J. V. Ledbetter cop first place in handicap firing with a 291.619, closely pursued by W. A. Less with a 289.983.

Scratch firing honors also went to Ledbetter with a 266, and Gary Martin, newcomer, with a 258. Individual firings will cease with this match, and teams were formed for this week's firings.

Firer	Scratch	Handicap
J. V. Ledbetter	266	291.619
W. A. Less	247	289.983
O. C. Woodard	229	289.293
M. L. Beatty	228	289.142
Dave Alford	275	288.493
Gary Martin	258	287.165
Glen Davis	211	286.926
T. J. Bush	246	286.025
Joel Malone	226	284.993
J. H. Shoemaker	225	284.198
L. A. Shuler	192	284.135
R. L. Matheney	222	282.169

# Ham-Turkey Shoot Is Planned Tomorrow

B Shifters plan a big turkey-ham shoot at the Oak Ridge Sportsmen's Association fields tomorrow, Thursday, November 15. Firings will get underway at 10 a.m. and all Y-12ers are invited to participate in the competition.

There will be door prizes for shooters unable to find the bull's-eyes . . . maybe their luck drawing will be better than their eye.

# Pin Plasters Take Mixed League Lead

## Goofers Lose Long Grip On 1st Place

The Mixed League for Y-12 bowlers got a new leader last week. The Pin Plasters clipped the ex-first-placers the Goofers by the full four count. Other scores saw the Toppers top the Phantoms by the full count. Taking three points were the Cool Cats over the Ghosts and splitting two each were the Alley Cats over the Scrappers.

Nancy Garrison, Ghosts, rolled high scratch game of the night on the female side of the house with a 164, boosted to a 213 handicap game. Ann Rackley, Cool Cats, took high scratch series with a 428, while Margaret Taylor, Pin Plasters, took high handicap series with a 566. Men winners saw Bob Hagood, Alley Cats, practically sweep the boards with a 208 single scratch game, 235 single handicap, and a 525 scratch series. J. D. Bryant, Goofers, took high handicap series with a 637.

Teams winning top honors were the Cool Cats in singles with 634 scratch and 795 handicap scores; and the Pin Plasters in series highs with 1708 and 2251.

League standings follow:

Team	Won	Lost
Pin Plasters	26	6
Goofers	25	7
Cool Cats	16	16
Ghosts	15	17
Phantoms	14	18
Alley Cats	12	20
Scrappers	11	21
Toppers	9	23

# UT's Bartlett Sets Basketball Clinic

Men getting ready for the basketball leagues this winter may be interested in hearing Tommy Bartlett speak tonight. The assistant basketball coach and former Tennessee star will conduct a basketball clinic tonight, Wednesday, November 14, at 8 p.m. in the Robertsville Junior High School gymnasium.

Coach Bartlett will offer a few suggestions on the fundamentals of basketball, and will also answer questions from aspirants on the hardwood. He will demonstrate the fundamentals of shooting, passing, dribbling, pivoting, foul shooting, training, mental tips and other general hints which every player should find useful in the fast-moving game of basketball.

The young Bartlett just recently returned to UT from Chattanooga where he had been head coach since 1958. Team captains particularly are urged to attend the useful session. ORNL's Recreation Department hints this may be an annual affair, if it is well received.

# Ten Pins Gain In E League On 4-Squares

The evenly balanced bowlers in the Y-12 E League clashed last week with the league leaders losing three points to the second placed Ten Pins. The Alleybees captured four points from the Cannonballs, and the Pinquins gained three from the Pintwisters.

Harry Hays, Pintwisters, rolled the high scratch game of the day with 197, and his scratch series of 539 was high also. Robert Johnston, Pinquins, and Grady Norton, Tenpins, tied for high handicap single games with 232, and Fred Jones, Foursquares, captured high handicap series with a 624 score. The Pintwisters took scratch honors with 652 singles and 1899 series highs, while the Pinquins took handicap highs with an 810 single tally and a 2299 series total.

League standings follow:

Team	Won	Lost
Foursquares	26½	13½
Ten Pins	22	18
Pintwisters	21	19
Alleybees	20	20
Pinquins	19½	20½
Cannonballs	11	29

# Hi Lifers Still Hi In C League

## Share First Slot Now With Sunflowers

The Hi Lifers moved over last week to share the lead in the C League for Y-12 Bowlers, as the Sunflowers reduced the Rodders by three points. The only full-sweep of four saw the SP's over the Strikers. Other three point wins were racked up by the Rounders over the Hi Lifers, the Par Busters over the Screwballs, and the Hookers over C Shift. Two-point splits were shared by the Lucky Strikes and the Big Five.

Arnold Tiller, Rounders, took scratch highs with a 218 game and a 592 series score. John Sewell, SP's, came through in the handicap division with a 261 game and a 719 series. Teamwise it was the Rounders all the way with scores of 957, 1068, 2713, and 2989.

League standings follow:

Team	Won	Lost
Hi Lifers	27	9
Sunflowers	27	9
Lucky Strikes	24	12
Rounders	24	12
Big Five	19	17
Strikers	17	19
Par Busters	15	21
C Shift	14	22
SP's	14	22
Hookers	13	23
Rodders	13	23
Screwballs	10	26

# CORNY AMERICANS

At least four-fifths of the world's supply of corn is grown in the United States.



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NUCLEAR COMPANY**  
Division of  
**Union Carbide Corporation**  
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POSTMASTER: DO NOT FORWARD. IF ADDRESSEE HAS MOVED,  
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## 'Great Sebastians' Role For Earley

Tomorrow, Thursday, November 15, the Oak Ridge Playhouse will open its production of the comedy, "The Great Sebastians."



E. Earley

will be seen as Sgt. Javorsky, a member of the Russian general's staff who in the long run turns out to be not quite so subordinate.

Dates for the "Great Sebastians" are November 15, 16, and 17, and 22, 23, 24. Written by Lindsay and Crouse, the drama is a first-class comedy by the opinion of critics and audiences alike all over. It revolves around the misadventures of a mind-reading vaudeville team who

## Is Junior's Homework Giving You A Complex?

If you have a complex not being able to help Junior with his high school homework, just listen to this. In the current issue of "The Branched Chain," C. D. Susano reports a nine-year old third-grader in North Carolina, successfully taking freshman chemistry at North Carolina State College. The youngster could read at the age of two. (But then, Wolfgang A. Mozart composed a symphony when he was only seven!) Anyone for "Chopsticks"?

suddenly find themselves propelled into an international situation. Just as things begin to look their darkest, their escape is guaranteed by their ingenious deftness at stage magic. Funny and swift, the play was written with only one purpose—entertainment. Tickets are on sale for the performances at the Playhouse's box office in Jackson Square.

Be a strong supporter of security.

6-11292



Ride wanted from 216 West Tennessee Avenue, Oak Ridge, to West Portal, straight day. John Herndon, plant phone 7336.

Riders wanted from Cumberland Estates section, Knoxville, to North Portal, straight day. John W. Nicely, plant phone 7087, home phone Knoxville 588-3009.

One rider wanted from North Knoxville, near Washington Pike and Whittle Springs Road, also Lincoln Park section to any portal, straight day. J. F. Baker, plant phone 7-8726, home phone Knoxville 523-4542.

Rides wanted from Taliwa Court, Chapman Highway, to Central Portal, straight day. Virginia W. Glass, plant phone 7-8271, home phone Knoxville 577-5312.

Ride wanted from West Haven section, Knoxville, to North or Central Portal, straight day. A. S. Preston, plant phone 7-8318, home phone Knoxville 525-5056.

Two riders wanted from Pine Hills, Harriman, via Blair to West or Bear Creek Portal, straight day. R. A. Curtis, plant phone 7-8465, home phone Harriman 882-9291.

Ride wanted or will join car pool from West Outer Drive, Pennsylvania Avenue, to West Portal, straight day. Floyd Hipshire, plant phone 7-8600, home phone Oak Ridge 483-6762.

Ride wanted from 118 West Churchwell (one-half block off Central), Knoxville, to West Portal, straight day. Nora Hurst, plant phone 7-8923, home phone Knoxville 524-4964.

## Overseas Christmas Mail Parcels Should Go Now

The local postmaster, Van D. Hicks, advises that Christmas parcels to members of the Armed Forces going overseas should be mailed before November 20 to insure delivery by December 25.

The postmaster also advised against the mailing of matches of all kinds and lighter fluid or other flammable fluids. Some military post offices prohibit the mailing of cigarettes, tobacco products and coffee.

The size and weight limitations of parcels by surface mail are 70 pounds and 100 inches in combined length and girth. The post office will gladly furnish specifications and other information concerning mailing packages to APO addresses.

## CROSS-COUNTRY TREK

Fifty years ago it took an automobile 44 days to cross the United States in a test run.

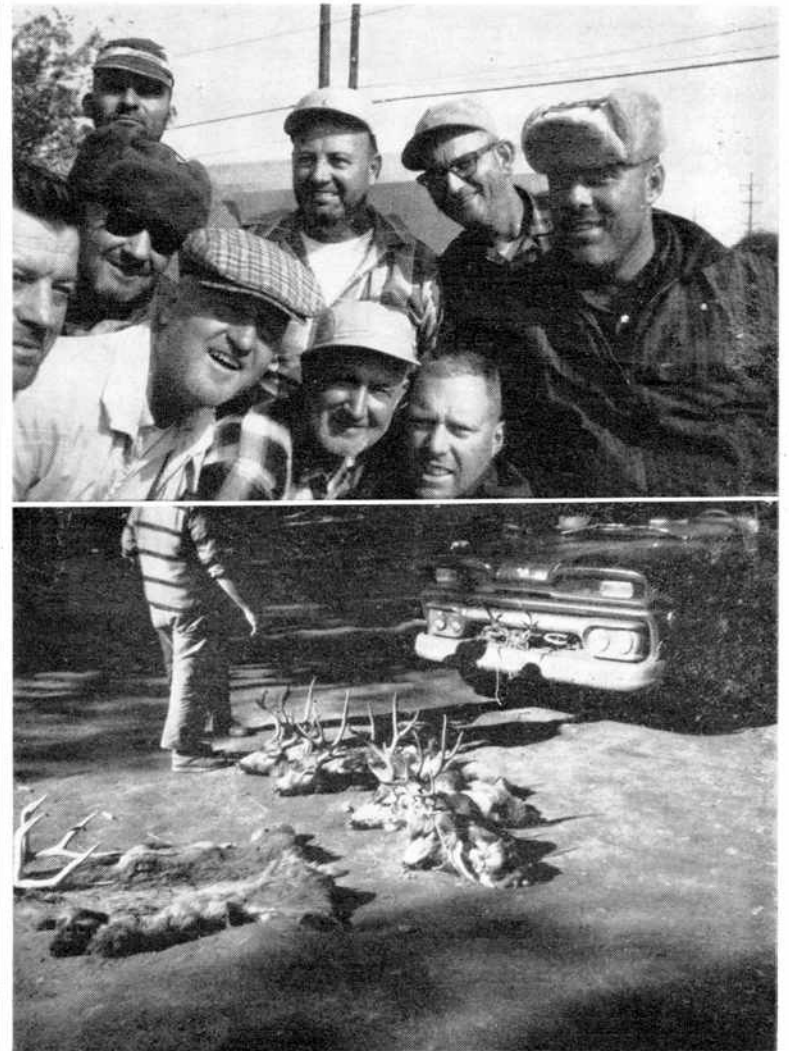
6-11280



RECEIVING HIS FIRST CHECK under the voluntary Retirement Plan of Union Carbide is James R. Carroll, who recently left Process Maintenance, after more than nine years of company service. He receives his check from George W. Flack, superintendent of Y-12's Industrial Relations.



PROCESS MAINTENANCE PERSONNEL gather recently to honor James R. Carroll, who retired from Y-12 October 30 to live in Kingston. To help him enjoy his life of leisure on the lake there, co-workers presented him with the outboard motor above. Carroll left Y-12 with more than nine years service in Y-12.



THAT GROUP OF Y-12 HUNTERS that went into the wild west last month to collect their share of big game are seen above smiling over their whiskers. In the lower snapshot part of the trophies were lined up for exhibit. The men got their two elk also, which was the bag-limit for the outfit. The group included A. K. Self, H. V. Tripp, E. W. Forbes, L. E. Odell, R. H. McNabb, C. C. Etheridge, and Carl Frazier.

## Major Expansions

Continued from Page 1  
ville liquid oxygen-nitrogen plant will be more than doubled by an addition of 190 tons a day. By April, 1963, it will have a total capacity of 340 tons a day. The Huntsville plant is currently the largest liquefied gas plant in the South, serving the National Aeronautics and Space Administration's George C. Marshall Space Flight Center, as well as industrial customers throughout the area.

At its Deer Park facilities on the Houston Ship Channel, Linde will build a liquid oxygen-nitrogen plant with a capacity of approximately 200 tons a day. The present installation is currently supplying gaseous oxygen and nitrogen via pipeline to steel, chemical, and petrochemical industries on both sides of the ship channel. It is the first such multiproduct, multi-customer supply system.

Robert F. Flood, president of Linde Company, stated that the New Orleans complex is expected to become one of the largest liquid oxygen-nitrogen facilities in the United States. He added that these production increases for aerospace applications parallel expansion at several other Linde plants. The first of these to get underway is a 230-ton-a-day addition to liquid oxygen-nitrogen capacity at the Union Carbide's division's Essington, Pennsylvania, plant, bringing the plant's total capacity to 690 tons a day. In addition, Linde recently announced a 450-ton-a-day expansion at its Fontana, California liquid oxygen plant making its total nearly 800 tons per day. These expansions—together with those for Huntsville, Deer Park, and the new facility at New Orleans—will add approximately 1400 tons a day of new liquid capacity, and it will bring Linde's total capacity for liquid oxygen and nitrogen to 5,000 tons a day. In all, Linde now has 17 plants in 12 states producing oxygen, nitrogen, and argon, and it has distribution centers at more than 80 other strategic locations.



DO NOT FORSAKE me, Oh, my darling. Carl Frazier, one of the leaders in the safari into the big game country of the Sheep Horn Mountains of Colorado, is seen visiting a colorful sight in the Long Branch section. The enthusiastic group relates they plan another trek out that-a-way next fall!

## Physics Division Sets English Visitor Seminar

Oak Ridge National Laboratory's Physics Division Seminar this week will feature R. S. Tebble, from Sheffield University, England. He will discuss "The Magnetic Susceptibility of Some Transition Elements and Their Alloys."

The seminar is scheduled for 3:15 p.m. Friday, November 16, in the East Auditorium of ORNL's 4500 building.

## Deadly Fumes In Car Not Easy To Detect

If you're driving at night and feel ill, develop a headache, and your vision blurs—for no apparent reason—carbon monoxide may well be the cause. This insidious killer causes more deaths annually than any other poisons—and defective exhaust systems are one big reason. For motoring safety, an exhaust system must be intact with no holes where poison might seep into your car. Especially during winter months, a close check should be kept on the muffler and exhaust system of the automobile.